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SNOW SURVEYS AND IRRIGATION WATER FORECASTS

for

Nevada

Ву

Division of Irrigation, Soil Conservation Service
United States Department of Agriculture
Nevada Agricultural Experiment Station
and
Nevada State Engineer

Data included in this report were obtained by the agencies named above in cooperation with other Federal, State and local organizations listed on the last page of this report.



As of

APR. 1, 1950



FEDERAL-STATE COOPERATIVE SNOW SURVEYS AND IRRIGATION WATER FURECASTS

FOR

NEVADA

Report Prepared

by

Clyde Houston, Irrigation Engineer
Division of Irrigation
Soil Conservation Service

Division of Irrigation
Soil Conservation Service
Nevada Agricultural Experiment Station
Reno, Nevada



INDEX TO SNOW COURSES

UMBE	RS NAME	ELEVATION	NUMBERS	NAME	ELEVATION	NUMBERS	NAME	ELEVATION
	SNAKE RIVER		2	TRUCKEE BASIN			CARSON BASIN	
2. 4. 5.	Bear Creek Fox Creek	6,800 7,100 6,600	2.(Cal. 3.(Cal. 4.(Cal. 5.(Cal.) 6.(Cal.) 7.(Cal.)	Granite Peak Independence Webber Peak Donner Summit Ward Creek Webber Lake Sage Hen Cree Tahoe City	Leke . 8,450 8,000 6,900 7,000 7,000 6,500	2.(Cal.) 3.(Cal.) NOR 1. Bald 2. Disa	Carson Fass. Foison Flat. Blue Lakes THERN GREAT BASIN Mountain ster Peak	7,900 8,000
6 • 7 • 8 • 9 •	Lower Buckskin Upper Buckskin	7,200 6,700 7,800 6,600 6,700 6,700 6,800 6,800 7,250	10. (Cal.) 11. (Cal.) 12. (Cal.) 13. (Cal.) 14. (Cal.) 15. (Cal.) 16.	Truckee #2 . Independence Boca #2 Furnace Flat Fordyce Iake Soda Springs Independence Mt. Rose . Truckee Range Stati Donner Iake.	Creek 6,300 5,900 6,600 6,500 6,750 Camp. 7,000 9,000 r on 6,000	1.(Cal.) 2.(Cal.) 3.(Cal.) 4.(Cal.) 5.(Cal.) 6.(Cal.) 7.(Cal.)	WALKER BASIN Center Mountain Sonora Pass. Buckeye Forks. Virginia Lakes Willow Flat. Buckeye Roughs Leavitt Meadows Tioga Fass. TAHOE BASIN	8,800 8,500 9,500 8,250 7,900
12.	Taylor Canyon UPPER HUMBOLDT RI	. 6,200	19. 20.	Big Meadows. Little Valley	8,800 6,300	2.(Cal.)	Lake Lucille . Rubicon #1 . Hagans Meadow.	. 8,100
4. 5. 6. 7. 8. 9. 10. 11. 12.	Bear Creek	. 6,800 . 7,100 . 6,600 . 6,700 . 6,700 . 6,800 . 6,800 . 7,250 . 5,700 . 6,200 . 6,900	1. Rain 2. kyle 3. Lee 4. Lee 5. Rain 6. Mics 7. Dud 8. Math	bow Canyon Canyon #1 Canyon #2 bow Canyon #2 Notch Springs ew Canyon Canyon	7,800 8,200 8,300 9,000 8,100 6,000 6,000 6,000	4.(Cal.) 5.(Cal.) 7.(Cal.) 8.(Cal.) 9.(Cal.) 10.(Cal.) 11.(Cal.)	Freel Bench. Ward Creek. Upper Truckee. Tahoe City. Rubicon #2. Rubicon #3. Richardsons #2 Echo Summit. Marlette Lake. Daggetts Pass. Glenbrock #2. Mt. Rose.	. 7,300 . 7,000 . 6,400 . 6,250 . 7,500 . 6,700 . 6,500 . 7,500 . 8,000 . 7,350 . 6,900
17. 18. 19. 20. 21. 22. 23. 24. 25.	Upper Trout Creek. Dorsey Basin Ryan Ranch Dry Creek Lamoille #1 Lamoille #2 Lamoille #3 Lamoille #6 Lamoille #6 Green Mountain . Harrison Fass #1 . Harrison Fass #2	. 8,100 . 5,800 . 6,500 . 7,100 . 7,300 . 7,700 . 8,000 . 8,000 . 8,000 . 6,600 . 7,400	 Hage Muri Bake Bake Bake Bake Bake Bare Bire 	er Creek	8,500 7,250 7,950 8,950 9,250 9,250 9,100 7,500	1. 2. 3.(Cal.) 4.(Cal.) 5.(Cal.) 6.(Cal.) 7.(Cal.)	Clark Canyon. • Trough Springs. McAfee Forks. • Roberts Ranch Goat Springs. • Sage Hen Flats. Ranger Station. White Mountain.	9,000 8,500 7,500 8,300 10,300 10,500 9,500
26•	Corral Canyon	8,500	2. Uppe 3. Mar 4. Gran 5. Lamm 6. Mide 7. Big 8. Big 9. Uppe 10. Lowe	er Buckskin er Buckskin tin Creek inite Peak ance Creek Creek Camp Gro Creek Mine er Big Creek er Corral	7,200 6,700 7,800 6,600 7,200 0 0 7,000 0 0 8,000 7,500			

WATER SUPPLY OUTLOOK

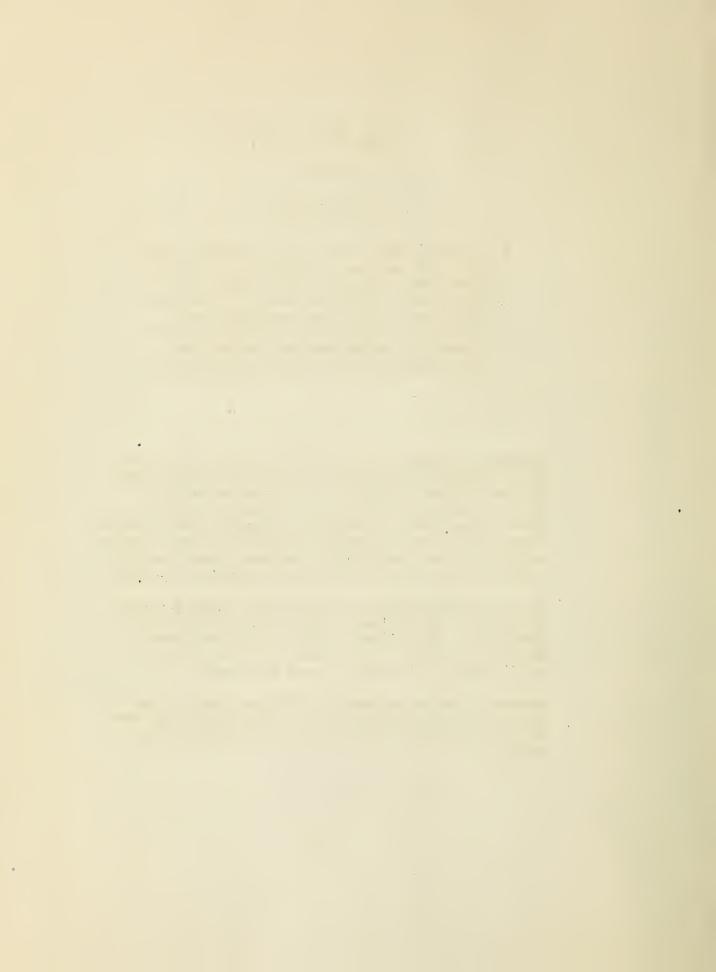
NEVADA

APRIL 1, 1950

Snow stored water in the Sierra is quite heavy at the higher elevations but much of the low snow has melted. Low snow in the Humboldt Basin has melted and high snow ranges from slightly below normal to slightly above. Snow cover in Central and Eastern Nevada ranges from very little on Upper Reese River to slightly below normal in White Pine County. Southern Nevada contains the poorest snow cover since the beginning of records.

U. S. Geological Survey reports water levels in major groundwater areas higher than last year, but still below normal. They report early season runoff normal or slightly above. Soil moisture is high with much of the valley and foothill areas saturated.

Reservoir storage on April 1, 1950, was about 10 per cent greater than last year but still only 50 per cent of the last 10 year average and only 40 per cent of capacity.



Forecast Stream		1939-48		1901-45		Measu	red Ru	noff 1947	
Owyhee River nr. Owyhee, Nev.	90	77	117	80	113	106	53	32	
Lamoille Crk.nr. Lamoille, Nev.	33	28	118	30	110	pany dyna drong	25	26	
So. Fk. Humboldt nr. Elko, Nev.	70	85	82	70	100	69	45	7171	
Humboldt River a Palisade, Nev.	t 200	238	. 814	200	100	200	104	94	
Martin Crk. nr. Paradise, Nev.	13	15	87	20	65	13	13	7	
East Walker nr. Bridgeport, Calif	. 62 . 2	60	103	75	83	39	31	31	
West Walker nr. Coleville, Calif.	150	147	102	175	86	117	109	104	
East Carson nr. Gardnerville, Nev	240	182 .	132	210	114	165	151	121	
West Carson at Woodfords, Calif:	66	52	127	65	102	43	45	35	
Carson River nr. Carson City, Nev	220	175	126	200	110	147	131	93	
Carson River at Ft.Churchill, Nev	200	156	130	195	103	128	113	79	
Lake Tahoe4 Rise 5	452 1.75	580 1.33	7 8 1 3 2	583 1.55	78 113	318 1.08	465 1.59	611	
Truckee River at Farad, Calif. 3	294	235	125	290	101	182	211	127	

^{1.} Corrected for storage in Wildhorse Reservoir.

Tahoe and Truckee Forecasts by Truckee Basin Water Committee.

^{2.} For period April through August corrected for storage in Bridgeport Reservoir.

^{3.} Exclusive of Tahoe and corrected for storage in Donner, Independence, and Boca Reservoirs.

^{4.} Maximum storage with gates closed.

^{5.} Maximum rise, in feet, from April 1, assuming gates closed.

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STREAFFLOW FORECASTS AFRIL 1, 1950

Snake River Basin in Nevada

Snow stored water above Salmon Falls Creek and Bruneau River is about 85 per cent of last year but 125 per cent of average.

Owyhee River near Owyhee, Nevada, is forecast to flow 90,000 acre feet from April through July. This is about 90 per cent of last year but 113 per cent of normal. Whicherse reservoir with a capacity of 33,000 acre feet stored 19,000 acre feet on April 1. This reservoir should fill in 1950.

Upper Humboldt Basin

Snow water on the headwaters of Marys River is about 120 per cent of normal while that on the North Fork, Susie and Maggie Gracks is about 80 per cent of normal and only 50 per cent of last year.

In the Trout Creek - Secret Valley area of the Ruby Mountains practically all low snow is gone. High snow is about 75 per cent of rormal and of last year.

The April - July forecast for Lamoille Creek is 33,000 acre feet or 110 per cent of normal. South Fork of Humboldt near Elko should flow 70,000 acre feet, which is normal and about the same as last year.

Humboldt River at Palisade should flow 200,000 acre feet. This is the long time normal flow for the irrigation season and the same as was measured last year.

U. S. Geological Survey reports the cumulative discharge since October 1, 1949, is 118 per cent of the median.

No.

Lower Humboldt Basin

Snow stored water on the headwaters of Little Humboldt Basin is about the same as last year although practically all low snow had melted. The April - July flow of Martin Creek measured near Paradise Valley should be approximately 13,000 acre feet or the same as in 1949.

Most of the snow on Rock Creek has melted and contributed water to Humboldt River. In the vicinity of Midas soil moisture is very high denoting good range conditions this spring.

On the Upper Reese River Watershed four of the five snow courses were bare for the first time on record.

Rye Patch Reservoir contained 55,000 acre feet on April 1, which is 10,000 less than last year at this time and only 30 and 32 per cent of capacity and average respectively for this date.

Northern Great Basin

Snow water contributing to Quinn River and McDermitt Creek is above normal but not as great as last year. Soil moisture is high and much of the existing snow pack will contribute to streamflow.

Eastern Nevada

Snow water above the south end of Ruby Valley is above normal while that at the north end of the Valley is below.

Baker and Lehman Creeks snow cover, while only 40 per cent of last year, is about 80 per cent of normal.

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 The low snow on Duck Creek, east of Mc Gill, is gone, but high snow is about average for this date.

The watershed above Ely, Nevada, contained only a trace of snow this year whereas last year there was fear of floods from the expected snow melt.

Central Great Basin

In general, this area contains below normal snow cover. The snow line on the White Mountains west of Fish Lake Valley is at about 9,000 feet while last year at this time it was at approximately 7,000 feet.

Snow on the Spring Mountains above Pahrump Valley was only 10 per cent of last year and 25 per cent of average on this date.

Lower Colorado River in Nevada

Snow water in the Mount Charleston area near Las Vegas is near an all time low for this date. This year was only 30 per cent of last and 50 per cent of normal.

Last years flood potential snow pack on Meadow Valley Wash was not duplicated this year as practically all snow was gone after the first of March.

Lake Mead contains about the same storage as last year at this time which is approximately 65 per cent of capacity.

Walker Basin

East Walker River near Bridgeport is forecast to flow 62,000 acre feet during April through August. This is about 23,000 acre feet greater than last year but only 83 per cent of normal. Bridgeport Reservoir contained 20,000 acre feet on April 1, which is the same as was stored last year but only 50 per cent of capacity.

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April through July flow of West Walker near Coleville is forecast at 150,000 acre feet compared to 86,000 last year and 175,000 as the long time normal. Topaz Reservoir stored 24,000 acre feet this year which is slightly more than last years 22,000 but less than the capacity of 59,000 acre feet.

Carson Basin

East Carson River near Gardnerville should flow about 240,000 acre feet which is 115 per cent of normal and greater than 165,000 as measured last year. It is anticipated that the flow of the River will remain greater than 200 cubic feet per second until the last full week in July.

West Carson near Woodfords, is forecast to flow 66,000 acre feet from April through July, compared to last years 13,000 and a long time normal of 65,000 acre feet.

Flow at Fort Churchill should be about 200,000 acre feet which is about twice that of last year and about normal for the period.

Lahonten Reservoir with a capacity of 286,000 acre feet stored 190,000 on April 1, compared to 197,000 last year. Under normal snow melt conditions this Reservoir should fill in 1950.

Tahoe Basin

On April 1, Lake Tahoe stored 222,000 acre feet. This is about 40,000 more than at this time last year but still below the capacity of 750,000 acre feet.

Truckee Basin Water Committee forecasts a maximum storage, assuming normal weather conditions and gates closed, of 452,000 acre feet. This represents a rise of 1.75 feet from the April 1 elevation of 6224.80 feet, or 113 per cent of the normal rise in the Lake.

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Truckee Basin

Truckee Basin Water Committee anticipates the filling of Donner, Independence and Boca Reservoirs from water presently stored in snow in the Basins. Their forecast for the April through July flow of Truckee River at Farad is 294,000 acre feet or slightly more than normal, and about 60 per cent greater than last year.



STATUS OF RESERVOIR STORAGE, AFRIL 1, 1950

		TYCY A TOT TO					
BASIN and STRE	AM RESERVOIR	USABLE CAPACITY (THOUS.	THOUSANI	OS ACRE	FEET IN	STORAGE	ABOUT AFR.1 10-yr.avg.
		A.F.)	1950	1949	1948	1947	1939-1948
Owyhee	Vildhorse	33	19	6	6	19	16
Lower Humboldt	Rye Patch	178	55	65	120	186	170 ^a
Tahoe	Tahoe	750	222	183	268	534	498
Carson	Lahontan	286	190	197	189	246	245
West Walker	Topaz	59	24	22	25	52	47
East Walker	Bridgeport	42	20	20	24	44	3 9
Colorado	Davis	1810	207	New	Rese	rvoir	
Colorado	Me ad	27,217	17,686	17,735	18,620	16,383	19,397

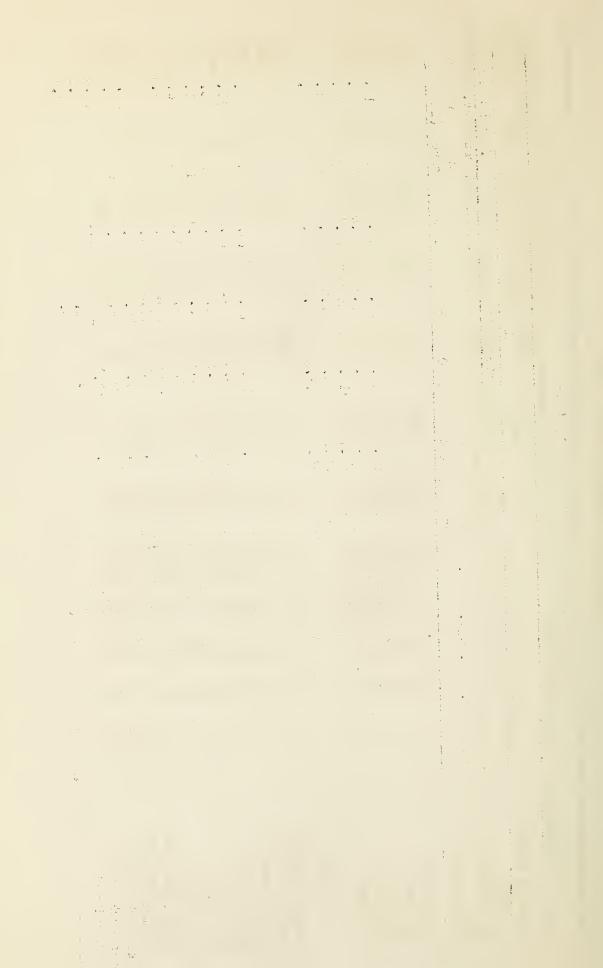
a - Average for years 1943 - 1948

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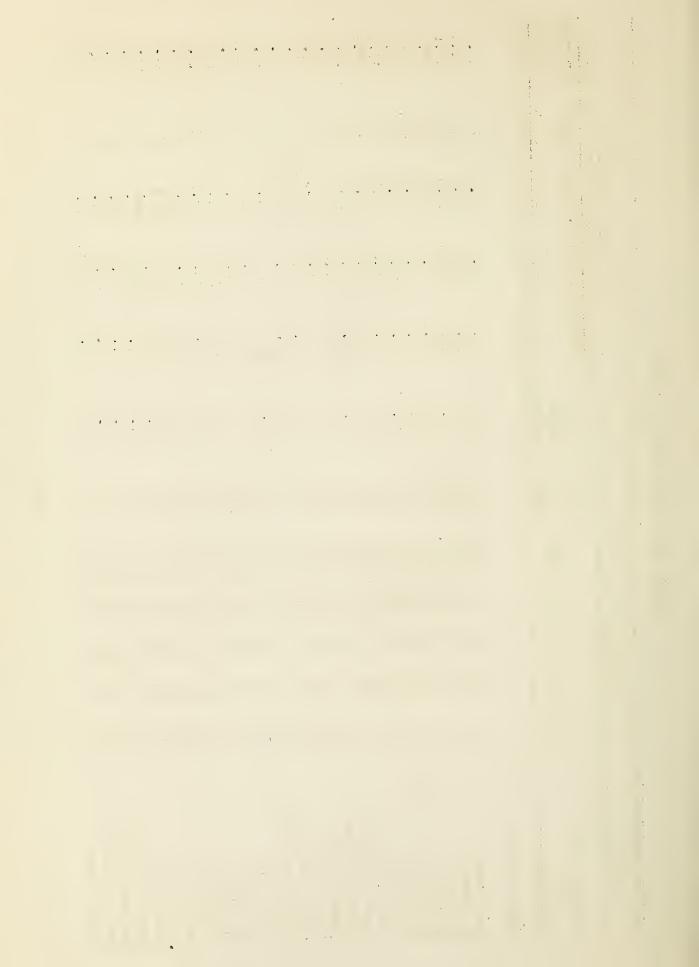
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		LOCATION	TON						SNOW COVER	EEASURE ENTS	ENTS	
						-	5	Water	Content(inches	hes)	Past	
DRAINAGE BASIN and SNOW COIRSE	Number	Sec.	Sec. Twp. Rge.		Elev.	Date of Survey	Snow Depth (inches)	1950	Same Approx.	Date	lears Of Record	Content (inches)
SNAKE RIVER												
Bear Creek For Greek	п «	31		7,8E	7800	3/31	66.6	23.1	24.4	20.0	7	19.9
for Jeen 76 Creek Gold Creek Big Bend	しない	% # 8	12N 12N 12N	700 700 700 700 700 700 700 700 700 700	7100	3/23	52.7 24.6 36.8	16.8	No Survey 9.5	11. 8.7. 8.3. 8.3.	3 10 22	11.11 6.2 9.3
OWYHEE RIVER												
Lower Buckskin Upper Buckskin Martin Creek Granite Peak Gold Creek Big Bend Fry Canyon Rodeo Flat Lower Jack Creek Upper Jack Creek Tremewan Ranch	121000000000000000000000000000000000000	37 8 8 33 3 3 5 5 8 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	165N 165N 165N 165N 165N 165N 165N 165N	233 232 233 233 233 233 233 233 233 233	6700 6700 6700 6700 6700 6700 6800 6800	するとなっては必然なったとれては、これでは、これをでは、これをは、これには、これには、これには、これには、これには、これには、これには、これに	22.72.22.42.83.00.00.00.00.00.00.00.00.00.00.00.00.00	10.1 8.8 8.7 11.9 12.7 7.8 7.8 0	11 00 00 0 11 11 1 1 1 4 1 4 1 4 1 4 1 4	000000000000000000000000000000000000000	686 686 686 686 686 686 686 686 686 686	8 11 8 11 8 10 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6



		LOCATION	TON						SNOW COVER NEASURELENTS	NEASURE	ENTS	
								Water	Water Content(inches	ches)	Past	Record
DRAINAGE BASIN	Nimber	Sec	Two. R	ਜ਼ 9 9	Elev.	Date of	Snow Depth	01	Same Approx. Date	• Date	Years of	Av. Water Content
SNOW COURSE			4			Survey	(inches)	1950	1949	1948	Record	(inches)
UPPER HULEOLDT												
	۲	77	16W	자 교	7800	1/3	9,99	23.0	2/1-1/1	20.0	7	6.61
Dear Oreen	۱ ۸	77	101	7 X SEE	6800	3/3	30.2	0,11	13.9	7.6	- L- (r) œ
76 Crook	٦	2	1011 11.11	ノ ひ に に に に	2002	3/20	7,07	16.8	No Survey	3) m) [-
	† r.c	۲,		7.5 E.S.	0099	3/30	24.6	8,2	9.5	rr w	٥٢ و	6.2
Rig Bend	\ \O	3,7	15N	56E	6700	3/30	36.8	12.7	15.2	ω (α)	22	9.3
Fry Canvon	2	37	143N	543	6700	7/1	24.2	8,8	15.0	500	6	9.5
Rodeo Flat	ω	36	43N	53E	9089	1/1	21.6	7.8	16.2	۲.۶	6	10.0
Lower Jack Creek	6	18	42N	53E	6800	1/5	0	0	4.5	4.7	15	4.3
Upper Jack Creek	20	6	42N	533	7250	1/5	28.4	10.2	14.3	11.6	6	10.6
Tremewan Ranch	걲	0	39N	SSE	5700	3/30	0	0	7.6	0	ω	9.0
Taylor Canyon	12	35	39N	53E	6200	7/7	0	0	8.9	0.5	6	3.9
Lower Trout Creek	13	28	37N	61E	0069	3/31	7.8	۳. دور		No Survey	>	3.2
Upper Trout Creek	777	7	36N	61E	8500	3/31	63.3	24.4		No Survey		29.8
Dorsey Basin	Н У.	28	35N	50 E	8100	1/2	34.5	11.3	18.4	11.9	ω	16.4
Ryan Kanch	54	~	34N	593	5800	1/2	0	0	2.0	0	ω	0.7
Dry Creek	17	IV.	34N	三09	6500	1/5	0	0	O	ω. Η	ω	1.1
Lamoille #1	18	15	32N	58正	007	17/5	31,2	12.7	12.4	11.2	18	10.0
Lamoille #2	13	7,7	32N	58月	7300	5/+	33.2	13.6	13.0	12.1	27	10.5
Lamoille #3	50	24	32N	58E	2700	14/5	45,1	19,0	18.2	15.2	15	13.4
Lamoille #4	27	13	32N	59E	8000	1/2	56,3	23.3	24.0	20.7	6	19.7
Lamoille #5	22	31	32N	59E	8700	9/1	86.5	37.6	29.4	24.4	12	27.0
\Box	23	23	29N	5亿	8000	7/1	9• ए	15.4	No Survey	14.1	7	14.0
Harrison Pass #1	24	6	28N	57正	0099	<u></u>	7.2	1.5	0.6	5,5	13	5.5
	25	16	28N	5 7E	7400	1/1	77.11	2.8	0.11	7.1	ω	5.6
Corral Canyon	56	27	28N	57E	8500	1/3	62.4	21.2	No Survey	17.5	2	19.5

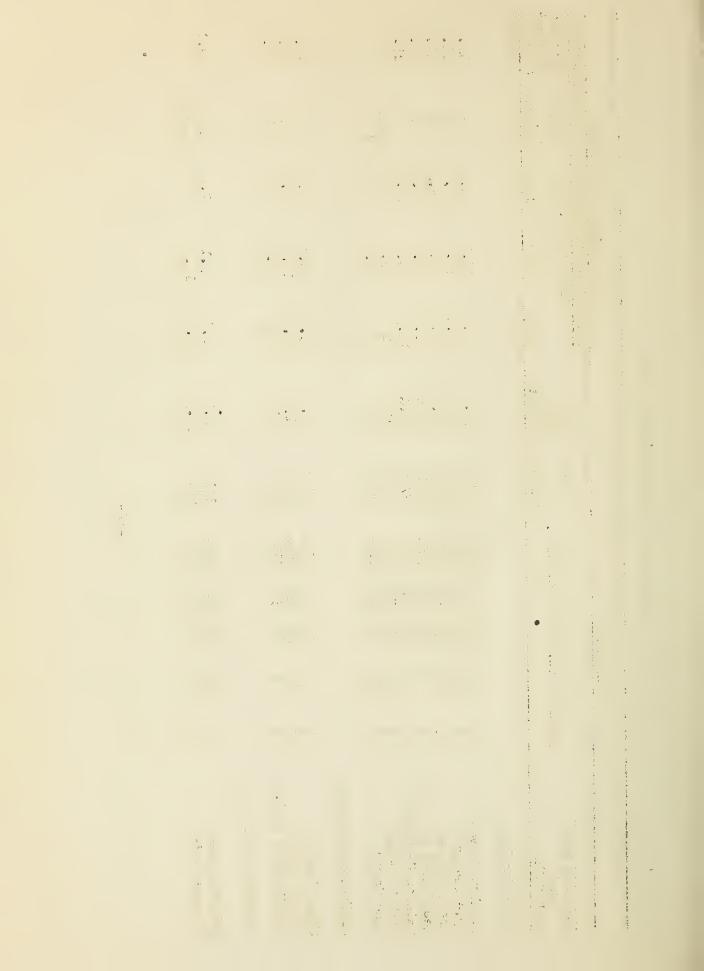


		LOCATION	NOI					0,1	SNOW COVER MEASUREMENTS	WEASURE	ENTS	
							i	Water (Content (inches)	nches)	Past	Past Record
DRAINAGE BASIN	Nimber	ر م	Sec. Twn. B	0	F.] ev.	Date	Snow Depth		Same Approx.	x. Date	Years of	Av. Water Content
SNOW COURSE	TOGIIIN		<u>ال</u>) D		Survey	(inches)	1950	1949	1948	Record	(inches)
TOTAL THE STORY												
INTERNATION THE SMI												
Lower Buckskin	М	25	45N	39E	9029	14/3	22.7	10.1	14.2	10.2	6	8.3
Upper Buckskin	2	디	75N	39E	7200	7/1	21.2	ထ	9.1	10.4	14	11.0
Martin Creek	\sim	18	11 TN	1,03	6700	9/1	24.4	8.7	φ 	2.6	S	7.8
Granite Feak	-⊅	22	144N	39匹	7800	<u>1</u> /2	33.0	11.9	8° م• ۵	2.6	10	11.5
Lamance Creek	᠕	13	42N	38E	0099	14/2	25.6	6.6	11.9	ν, m,	Ŋ	7.7
Midas	9	18	39N	16E	7200	1/1	0	0	ω, Ο,	J. T	ο,	2.6
Big Creek Camp Ground	_	10	17N	43压	0009	11/2	0	0	5.4	w.	Φ,	2.4
Big Creek Mine	ထ	23	17N	43至	2000	1/2	0	0	2,0	7.	Φ,	7.0
Upper Big Creek	6	56	17W	<u>133</u>	8000	1/2	12.8	4.7	10.3	10.5	ထ	8.6
Lower Corral	10	12	11N	五0寸	7500	[/]	0	0 (0, 1	w.	φ (2.5
Upper Corral	디	50	11 N	江田	8500	1/1	0	0	6•)	ζ.,	∞	٥•3
EASTERN NEVADA												
Cave Creek	Н	25	27N		7500	3/31	53.8	19.8	24.2	14.5	6	14.6
Hager Canyon	2	34	27N	<u>7</u> E	8500	3/31	7.09	24.0	25.7	18.0	6	19.6
Murray Summit	\sim	25	16N	2压	7250	1/1	0	0	ν, ໝ	7.7	12	3.4
Baker #1	4	59	13N)压	7950	3/31	0	0	11.6	8	ထ	6.7
Baker #2	ᡳ	ಜ	13N		8950	3/31	42.4	13.9	20.0	14.4	ယ	18.6
Baker #3	9	25	13N		9250	3/31	44.8	14.3	20°	17.0	ထ	19.9
Berry Creek	<u></u>	56	17W		9100	1/3	6.44	16.7	18.9	17.2	2	16.6
Bird Creek	∞ (34	19N	<u> </u>	7500	ر بر د	0 (0 0	7.3	6.8	2	7.1
Kimbon Summin	٧ ر	ر ر ۵ د	NOT		7600	+ /- 	> (>	New	Course		
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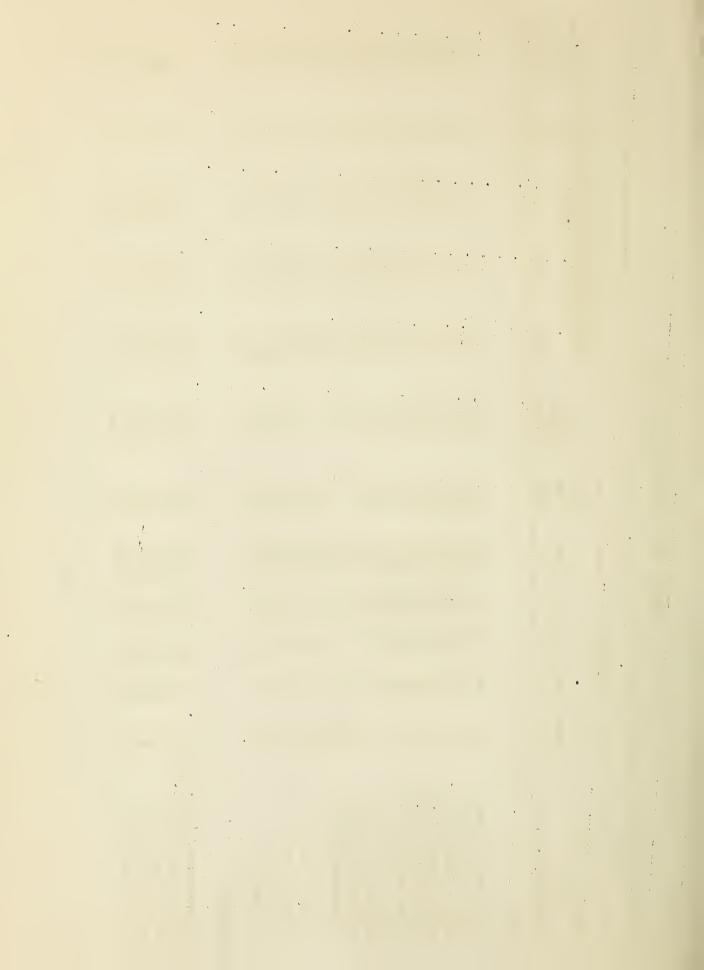
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NEVADA SNOW SURVEYS ARTIL 1, 1950

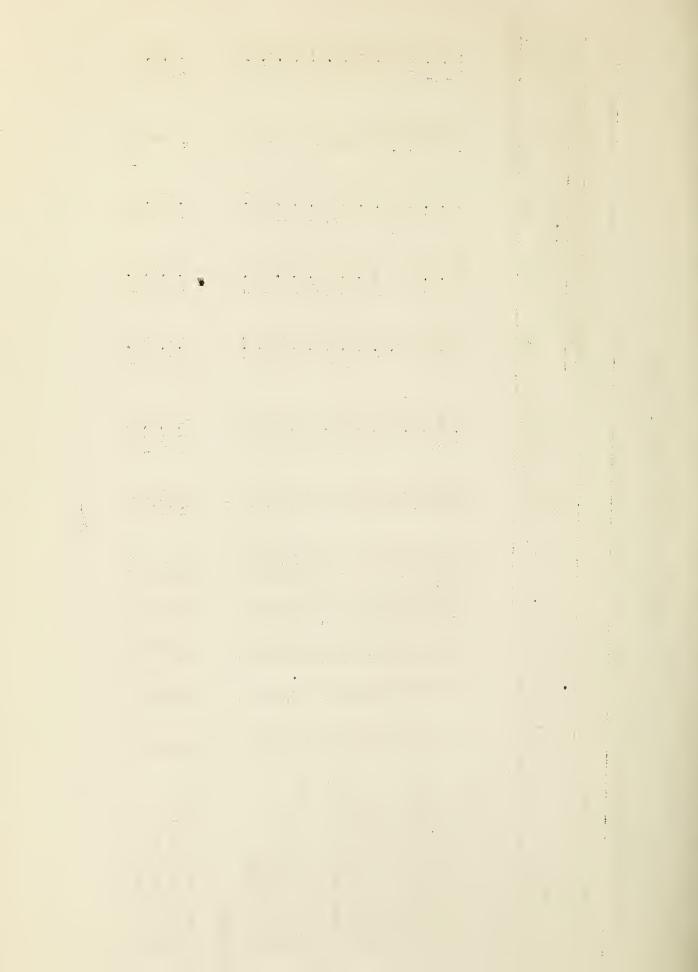
		LOCATION	TION					01	SNOW COVER WEAK	MEASUREMENTS		Past Record
DRAINAGE BASIN and SNOW COURSE	Number Sec. Twp.	သိမင္ပ	Twp.	Rge.	Elev.	Date of Survey	Snow Depth (inches)	1950 1950	Same Approx.Date	1948	Years of Record	Av.Water Content (inches)
LOWER COLORADO												
Rainbow Canyon	Н (다.	195	57年	7800	3/29	25.6	7.6	17.1	12.6	0,0	14.6
Kyle Canyon Lee Canvon #1	7 M	22	198 198	ひ 5 5 5 5 5	8200 8300	3/c3 11/1	7.8 7.8	1 0. 1 0.	18.7	7°5	00	7.11
Lee Canyon #2	<u>†</u>	6	198	E 6E	9000	3/30	14.6	4.7	20•3	0° 8	80	12.8
Rainbow Canyon #2 Mathew Canyon Pine Canyon	νωσ	9 11 11	20S 5S 6S	57E 70E 69E	8100 6000 6200	3/29 3/24 3/24	0°00	13.57 0	20°0°0°0°0°0°0°0°0°0°0°0°0°0°0°0°0°0°0°	14.8 New	3 Course H	15.9
CENTRAL GREAT BASIN												
Clark Canyon Trough Springs McAfee Forks (Cal.)	Нαм	23 8	198 188 45	55E 35E	9000 8500 7500	3/30 L/2 L/1	9.4	0.0	118 0.44 0.40	8.1 7.2 0	いたん	10.8
NORTHERN GREAT BASIN												
Bald Mountain Disaster Pe <i>a</i> k	г α	17	45N 47N	21E 34E	6720	3/30	19.5	2.3	9.1 14.4	2.2 Ne	10 sw Course	3.0



		LOCATION	PICN					02	SNOT COVER LEASUR	LEASURE	IBITS	
								Water (Content(in	ches)	Pest	Record
DRAINAGE BASIN	,	i			į	Date	Snow	လိ	Same Approx.Date	.Date	Year	A Comme
and Swow Courses	Number	Sec	•dw.T.	ដ ខា 0	Elev.	oi Survey	Deptn (inches)	1950	1949	191.8	oi Record	Content (inches)
TAHOE												
Lake Lucille (Cal.)	٦	28	12N	17E	8400	1/2	180°8	74.6	57.9	43.8	36	56.2
Rubicon #1 (Sal.)	2	9	13M	173	8100	†/†	151.6	597	45.2	26.1	34	45.4
Hagans Leadow (Cal.)	~	36	121	18E	3000	1/1	58.5	27.6	22.4	10.1	32	16.7
Freel Bench (Cal.)	_	36	12N	18E	7300	1/1	32.7	16.3	16.2	6.7	50	10,3
Ward Oreek (Cal.)	N	21	153	167	2000	1/7	123.0	56.1	1,8.2	30.9	3.	44.5
Upper Truckee (Cal.)	7	77	121	1SE	64,00	4/3	24.7	13.0	13.7	က က	50	7.1
Tahoe City (Cal.)	ထ	9	151	17压	6250	1,12	26.3	13.7	22.5	, N	39	13.1
	0\	9	13M	173	7500	t ¹ /t ¹	82.0	38°8	30.8	13.1	31	23.7
Rubicon #3 (Cal.)	91	32	14班	17E	6700	No	Survey		25. 50.	12.4	70	20.0
Richardsons #2 (Gal.)	Ħ	9	12M	18E	6500	۲/ ۱	6:09	25.8	22 . 8	ω 8•	9	15.0
Echo Summit (Cal.)	12	9	113	187	7500	3/31	103,5	46.7	37.2	27.2	10	33.4
Warlette Lake	13	13	15N	10E	8000	1/1	69.5	56.9	19.0	12.6	33	22.9
Daggetts Pass	1/1	19	13M	19压	73.50	1/1	36.6	16.6	16.2	2.9	34	13.2
Glenbrook #2	ц	13	141	183	0069	1/1	46.3	16.2	14,2	O ့	ယ	14.2
Mt. Kose	16	_	17N	19压	9000	3/31	87.5	35.3	27.9	13.5	악	31.1
TRUCKEE												
Independence Lake (Cal.)	_	6	18N	H	8450	1/1	112.7	146.3	36.6	24.8	13	140.7
Tebber Peak (Cal.)	Μ-	<u>۾</u>	19M	17FE	8000	3/30	116.5	42,4	43.0	30.0	28	40.2
Word Creek (Cal.)	T T	ئ د	E . T .	日 日 日 日 日 日	6900	3/28	114.8	48.2 16.2	45°0	24°B	39	36 1.1.
Webber Lake (Cal.)	\ 0	2 5	19 N	1年1	2000	3/30 3/30	8°76	38. 14.	35.0	19.5	25	44t - 5
					•		,	1))	ì)	t ì

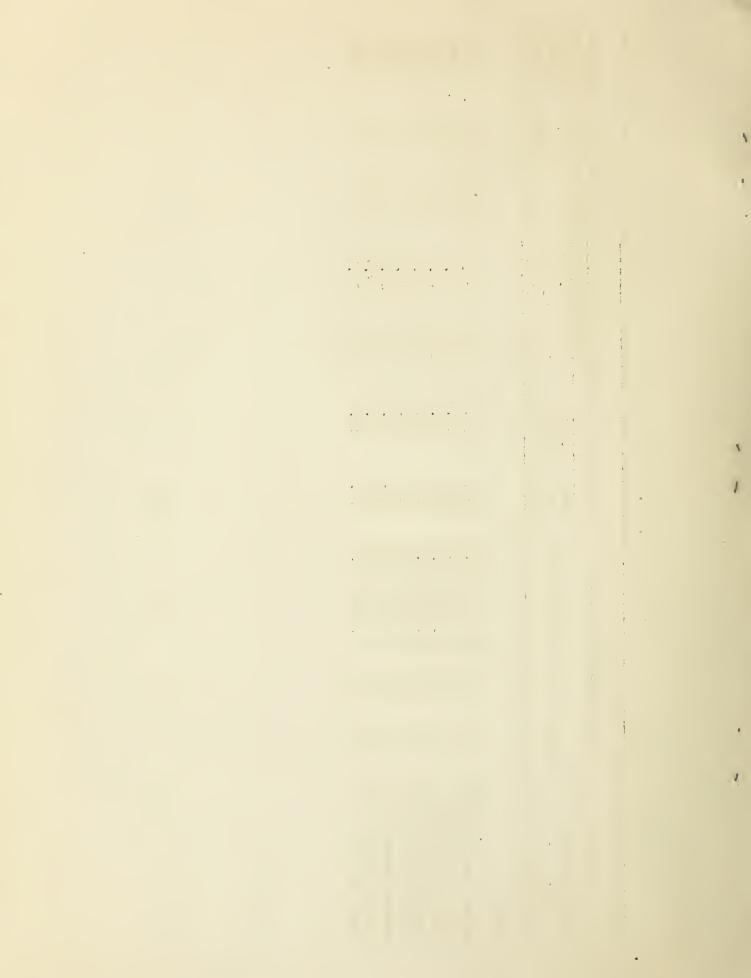


		LCCATION	NOL					Ŋ	SMOW COVER	R MEASURE ENTS	STATE	
								Water C	Content(inches	nches)	Part	Record
DR / IN / GE BASIN						Date	Snow	Se	Same Appro	Approx. Late	ĭears	Avaliater
and	Number	Sec.	Sec. Twp. B	e e	Elev.	of	Depth				of	Content
SHOW COURSE	•		•			Survey	(inches)	1950	1949	1948	Record	(inches)
TRUCKEE (Con't.)												
Sage Hen Creek (Cal.)	7	2	18N	16E	6500	3/31	56.9	22.8	20.6	ή·9	13	17,8
Tahoe City (Cal.)	တ	. 9	15N	173	6250	1/2	26.8	13.7	22.5	ν, rV	39	13.1
Truckee #2 (Cal.)	6	22	17W	16E	0049	11/2	140°8	10.6	18.9	7.4	50	14.5
Independence Creek (Cal.)	al.)10	17	19M	15年	0089	3/31	39.7	16.8	15.6	4,2	13	12,9
Boca #2 (Cal.)	דו	28	18N	173	5900	1/1	11.3	5.4	일	Survey	H H	5°0
Furnace Flat (Cal.)	12	10	17N	134	6600	3/29	122,2	53.8	48.5	28.7	31	43.8
\smile	13	34	181	13E	6500	3/29	116.3	6.64	9.67	23.0	32	37.9
Soda Springs (Cal.)	17	23	17N	1年	6750	3/28	111.5	16.5	36.3	19.5	21	34.4
Independence Camp (Cal.)	1.) 15	34	19N	15图	2000	4/1	66.8	29.6	25.0	12.1	6	21.1
Mt. Rose	16	2	17W	19E	0006	3/31	87.5	35.3	27.9	13.5	9	31.1
Truckee Ranger Sta. (Cal.)	al.)17	. 01	17N	163	, 0000	3/30	32•3	14.8	16.2	6.51	᠘	9.2
Donner Lake (Cal.)	18	17	17N	15距	5950	1/1	58,0	25.7	30.0	12.0	9	20.6
Dig Eeadows	19	L V	18W	18E	8300	3/30	50°.0	24.2	18.7	16.7	27	23.1
Little Valley	80	17	16N	19E	90069	1/2	16.7	8.1	16.7	2.0	œ	9.3
CARSON												
									SE SE			
Carson Pass (Cal.) Poison Flat (Cal.)	Ч 2	22 25 25	NOT 8N	18E 21E	8600	3/29 3/28	107.6	44.3 21.4	35.4 20.9	33.4	20 8	36.6
Blue Lakes (Cal.)	m-	86	N 6	19年	8000	3/30	109.3	42.5	36.3	25.0 Merur	31	35.2
	t)	1	1) F	† • 00	† •	† 01	NO N	es mon	



NEVADA SNOW SURVEYS AFRIL 1, 1950

		LOCATION	LION						SNOT COVER BEACUTE ENTS	R HEACURE	LENTS	
								Water	Water Content(inches	nches)	Past	Past Record
DRAINAGE BASIN						Date	Snow	S	Same Approx. Date	x. Date	Years	Avater
and	Number Sec. Twp.	Sec.		Rge.	Elev.	of	Depth				Jo	Content
SNOT COURSE						Survey	(inches)	1950	1949	1948	Record	(inches)
TALKER												
Center Mountain (Cal.)	٦	7	311	233	9400	3/29	115.6	38.9	39.9	22.8	27	34.5
Sonora Pass (Cal.)	2	٦	N.	21E	8000	3/30	65.7	25.2	27.0	14.1	18	24-4
Buckeye Forks (Cal.)	ω	20	ήN	238	8500	3/29	68.1	21.9	22.7	12,1	19	19.6
Virginia Lakes (Cal.)	7	ひ	23	253	9500	3/31	46.1	16.4	14.5	10.1	m	14.9
Willow Flat (Cal.)	\mathcal{N}	27	Z	23E	8250	3/28	20.0	9. 7.	12,2	がず	16	11.0
Buckeye Roughs (Cal.)	9	15	Νħ	23压	0062	3/30	59.9	24,0	25.0	3,1	27	20.9
Leavitt Leadours (Cal.)	7	7	\ <u>\</u>	223	7200	3/30	7.04	N O	11.9	3.1	50	7.9
Tioga Pass (Cal.)	Ø	30	JN	25压	0066	3/30	69.2	24.0	14.9	15.7	50	25.2



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April 1950

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FEDERAL

Soil Conservation Service Forest Service Geological Survey Fish and Wildlife Service Navy Bureau of Reclamation Weather Bureau

STATE

Nevada State Engineer
Nevada Agricultural Experiment Station
Nevada Agricultural Extension Service
California Division of Water Resources
California Cooperative Snow Surveys
Oregon Cooperative Snow Surveys

MUNICIPAL

City of Ely, Nevada

PUBLIC AGENCIES

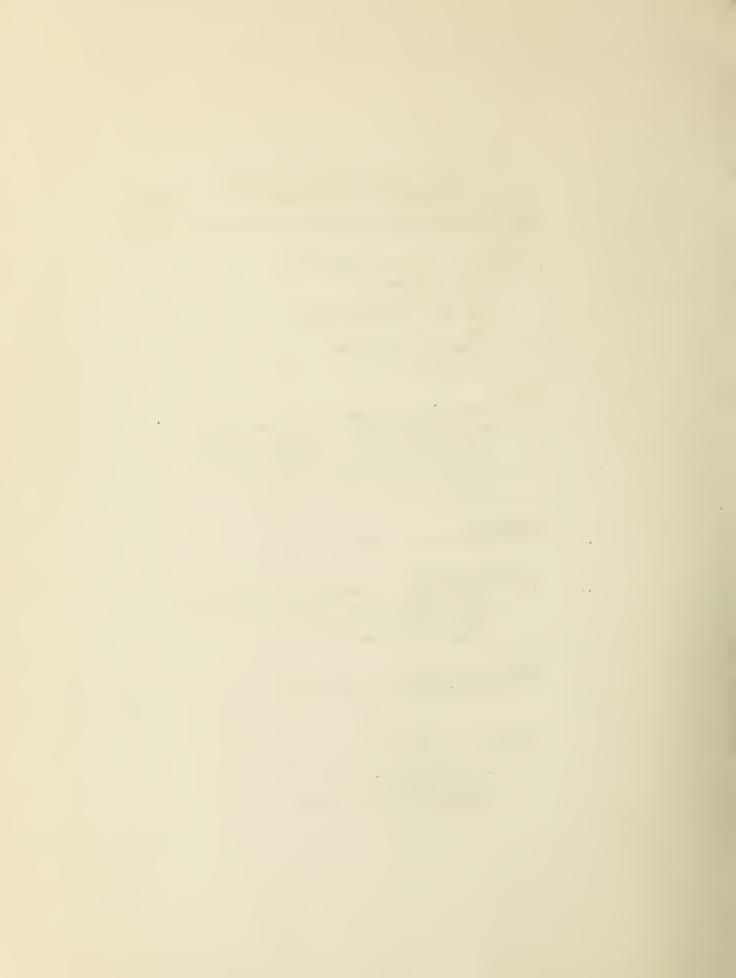
Truckee-Carson Irrigation District Washoe County Water Conservation District Walker River Brigation District Owyhee Irrigation District

PRIVATE UTILITIES

Sierra Pacific Power Company Virginia City Tater Company

FRIVATE ORGANIZATIONS

Deep Springs School Kennecott Copper Corp. Union Pacific Railroad Amalgamated Sugar Company





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Furnishes the basic data necessary for forecasting water supply for irrigation, domestic and municipal water supply, hydro-electric power generation, navigation, mining and industry

"WATER IS THE WEST'S GREATEST RESOURCE"